

Bridge Inspection										
Bridge File Number	76060 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1981/1981				Lot No.	1				
Bridge or Town Name	PEACE RIVER				Inspector Name	Brian Pientsch				
Located Over	CNR				Inspector Class	BR CLS A				
Located On	2:62 R1 0.761;2:62 L1 0.761				Assistant Name	Russel Vanderschaaf				
Water Body Cl./Year					Assistant Class	BR CLS B				
Navigabil. Cl./Year					Inspection Date	06-Dec-2011				
Legal Land Location	SW SEC 31 TWP 83 RGE 21 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-117:18:42, 56:14:20				Data Entry Date	03-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA04				Review Date	20-Dec-2011				
Clear Roadway/Skew	19 /				Dept. Reviewer Name	David Morrison				
AADT/Year	16,230 / 2011 (A)				Dept. Review Date	04-Apr-2012				
Road Classification	RAU-213.4-120				Follow-Up By					
Detour Length (km)	30									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS230									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					No							
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		NOT REQUIRED										
Required Load Posting (t)			Single		Semi		Truck Train					
Posted Loading (t)			Single		Semi		Truck Train					
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks												
Hazard Marker At Bridge (Y/N)		No										
Remarks												
Other Sign Types		NUMEROUS INFORMATION										

Utilities (Located at)											
Utility Attachments											
Telephone					Gas						
Power					Municipal						
Others					Problem (Y/N)	No					
Remarks											

Approach Road											
				Last	Now	Explanation of Condition					
Horizontal Alignment				8	8	EBL 9.6m WBL 9.4m. Est 7% grade.					
Vertical Alignment				5	5						
Roadway Width (m)		17.600				Approach on West end of WBL rutting.					
Approach Bump				4	4						
Guardrail (Y/N)		Yes									
Guardrail				5	5						
Length (m)		99.000									
Current Standard (Y/N)		Yes									
Termination Type		TURNED DOWN									
Drainage				3	4	Scour along NW wingwall 0.5mDx0.3mW					

Approach Road						
			Last	Now	Explanation of Condition	
Approach Road General Rating			5	5		
Superstructure						
Bridge Component			Last	Now	Explanation of Condition	
(Primary Span : FM, 1 Spans, Lengths(m): 38, A-Ident Number:)						
Special Features						
Special Feature				X		
(Type :)						
Special Feature				X		
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
		N (%)	1 (%)	2 (%)	3 (%)	Partly gravel/snow covered.
Last						
Now	10.0					
Wearing Surface			5	5		
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			3	3	Missing 1/2 buffer angle on East side WBL.-photo Hole in gland West end EBL.-photo	
Temperature (deg. C)		-3				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
54		W. abut				
75		E. abut				
Deck Drainage			5	5		
Drains Clogged (Y/N)		No				
Curbs/Median			4	N	Narrow cracks in top and face of curbs @ 300mm. Low cover spalls North curb, 250x20x65mm spall at these corners with exposed rebar. 200 x 100 spall midspan North curb.-17-June-2008) Snow/gravel covered.	
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail			3	7	Missing 2 splice bolts.-photo	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			7	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : FM, 1 Spans, Lengths(m): 38, A-Ident Number:)						
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	2		
Now				2		
Girders				3	3	2 m narrow to medium cracks extending from bearing toward middle of girder on G2,G4,G6,G8 West end and G8,G9 East end.-photo Vertical (wide) crack at East end G1, G13 (Photo)-previously patched, rust staining. Lateral cracks with the vertical faces in G2-12.-photo
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 13)						
Diaphragms/Cross Frame				8	8	
Bearings				6	6	STOP BAR WELDED TO STAINLESS STEEL PLATE. APPEAR ALL IN PLACE WHEN VIEWED WITH BINOCULARS FROM OPPOSITE ABUTMENT.
Temperature (deg. C)		-3				
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)						
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside				7	7	
Stains (Percent Area)		1				
Span Alignment Problems						
Vertical (Y/N)		No				Girders are shifting South at abutment 1.-photo
Horizontal (Y/N)		Yes				
Superstructure General Rating				3	3	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
Bearing Seats/Caps				7	7	
(Type : CONCRETE)						
Backwalls/Breastwalls				5	7	35% of the surface has 10mm deep scaling and random medium cracks.
Wingwalls				5	7	50% of the surface has 10mm deep scaling and random medium cracks. Rust staining on horizontal cracks that outline the pile cap.-photo
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				X	7	
Piers/Bents						
(Type :)						
Bearing Seats/Caps				X	X	
(Type :)						
(Total Number of Bearing Piles :)						
Pier Shaft/Piles				X	X	
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	Railway
Traffic Safety Features		X	X	
Type	NONE			
Slope Protection		7	7	
(Type : CONCRETE)				
Bank Stability		7	7	W. abut slope pulled away 40 mm. E. abut slope pulled away 25 mm.
Drainage		4	4	Water able to pond at toe W. headslope
Grade Separation General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Repair missing buffer angle.					
OTHER ACTION	2012	Repair gland East end EBL.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	51.5/51.5	Est. Repl. Yr	2045	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracks in girders.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Colin Roy		Previous Assistant's Name				
Next Inspection Date	06-Sep-2013		Previous Inspection Date	01-Sep-2011			
Inspection Cycle (Default) (months)	21						
Comment							